

-6 (REPLACEMENT SHEET)-

The ES program then overwrites at the first location of 'part B encrypted' an instruction 'JUMP TO part B [descripted] decrypted' and at the end of 'part B [descripted] decrypted' appends an instruction 'JUMP TO part C'. In this way, the encrypted part of the software will not be executed and its [descripted] decrypted part will be executed instead.

In the case of audio/visual multimediuem software, the software will be [descripted] decrypted a small part by a small part and each small part is [descripted] decrypted at the time it is about to be utilized by a audio/visual program for causing audio/visual effect. In other words, that audio/visual program has to cause the ES program to be executed in the manner as described above in item 1, everytime it wants a [descripted] decrypted of a small part. [Desirable] Desirably, a newly [descripted] decrypted small part will overwrite a previous [descripted] decrypted one so that a whole copy of the [descripted] decrypted software will not exist in RAM.

4) The Program for authenticating computer (AC program).

One object of this program is to prevent the central program from being used , if it is a copy being made by someone other than the rightful user and of this the rightful user being unawared, so that a rightful user need not guard his computer containing the central program from reach of someone else.

When the central program is installed in a harddisk of a user computer and executed, it will check a encrypted status information in it and from which it knows this is the first time it being executed and will cause an initialization process to take place. In the initialization process, the central program sends to a central computer an unencrypted identity of the user, then the AC program requests for a encrypted command from a central computer which will provide such a encrypted command, in the manner as described hereinabove in item 3i, if the user has a valid account or the account is not closed.

-CONTINUED SHEET FOR 6(REPLACEMENT SHEET)-

After authenticating the command, the AC program determines the hardware and software configuration of the user computer, which includes, for eg., running speed determination which is a function of CPU frequency, cache memory size etc;

Sub Page 9 A5

Pat #2

-9 (REPLACEMENT SHEET)-

modification on the ES program can make it operate in the same manner as the EI program, which involves adding a simply interface program for receiving a random number from a central computer, feeding the random number into the ES program, receiving the encrytion result from the ES program and supplying the encrytion result to the central computer, and such functions are commonly found in any network interface software.

In addition, according to another embodiment of the present invention, the software products and ES program for use on a particular user's computer includes an identity of its rightful user, so as for facilitates legal action against piracy. Further, the ES program accesses the software products, by using a particular DOS service for loading a program from harddisk to RAM, stored in the computer onwhich it runs for such an identity therein, if any software products is found to have an identity not identical to that of the ES program, the ES program will inhibit use of all the software products under its control, including itself, on the computer. Such identities may be stored in a predetermined location of the software products, and is protected from being altered by having an encrypted one stored in another location in each software products, and said another location differs to each another in different software products so that it would not be discovered and altered. And, each such software products, when executed, will automatically check the unencrypted identity stored therein against the encrypted one, if they are not identical, the software products will fail to operate. The identity or encrypted identity of the rightful user being included into each one of the software products by the central computer at the time when the central computer is to supply the same to the user computer. Further, to prevent the ES program to mistakenly regard a software products which stored in the computer and which being not supplied from the central computer, be [a software] under its control, the central computer may include [a] an information data in a predetermined location of the software products for indicating this fact to the ES program and each

-CONTINUED SHEET FOR 9(REPLACEMENT SHEET)-

one of the software products will not operate if when being executed, it finds the information data therein being altered.

Part of #2



AMENDMENTS